



# भारत का राजपत्र

## The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 17th December 1994

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1-377 GI/94

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Building, 5th, 6th and 7th  
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पेटेंट कार्यालय  
एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 17 दिसम्बर 1994.

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
बांव एवं दावरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405; तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिगाव तथा एस्तिगिदिव द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय वृहत्तम कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-  
क्षित सभी आवेदन-पत्र, सचनान, निवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शब्द “शर्कों की अवायगी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक के भगवान योग्य धनावेश अथवा  
आवदेश या जहाँ उपयुक्त कार्यालय अवायगी है; उस स्थान  
के अनुरूपित बैंक से नियंत्रक को भगवान योग्य बैंक ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

THE FOLLOWING PERSONS HAVE BEEN REGIS-  
TERED AS A PATENT AGENT UNDER THE PROVI-  
SION OF SUB-SECTION (1) (c) (i) OF SECTION 126  
OF THE PATENT ACT, 1970

1. Shri S. Howladar, (150),  
M/s. S. Majumder and Co.,  
5, Khairu Place,  
Calcutta-700 072.
2. Shri P. S. Sangal, (151),  
Bureau of Foreign Trade, Investment and  
Intellectual Property,  
5, Bahar Road, Bengali Market,  
New Delhi-110 001.
3. Shri Blawalit Sarkar, (152),  
D-7 Adara, 67, Park Street,  
Calcutta-700 016.

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates  
claimed under section 135 of the Patent Act, 1970.

19-10-1994

853/Cal/94. Indian Association for the cultivation of science  
energy research unit. An effective method of im-  
proving the intensity of photoluminescence in  
porous silicon.

854/Cal/94. American Cyanamid Company. A method for  
the preparation of hydroxamic acid chelate.  
(Divided out of No. 854/Cal/94; antedated to  
26-4-93).

855/Cal/94. Macrovision corporation. Method and apparatus  
for low cost audio scrambling and descrambling.

856/Cal/94. The babcock & wilcox Company. Vertical  
arrangement fluidized/non-fluidized bed classifier  
cooler.

857/Cal/94. Stork Screens B.V. Squeegee assembly.

858/Cal/94. Pranab Kumar Mondal. A novel device for  
emitting light of variable colours;

20-10-1994

859/Cal/94. Johnson Electric S.A. Brush assembly. (Con-  
vention No. 9321784.2; dated 22-10-93; Great  
Britain).

860/Cal/94. Halox Technologies Corporation. Electrolytic  
process and apparatus for the controlled oxida-  
tion or reduction of inorganic and organic species  
in aqueous solutions.

861/Cal/94. Stork Screens B.V. Squeegee assembly in parti-  
cular intended for coating substantially cylindrical  
objects with a fluid or pasty material.

862/Cal/94. Hueso Junkers Werke GmbH. A hydraulic  
drive unit.

863/Cal/94. Texaco Development Corporation. Fluid cataly-  
tic cracking coupled riser cyclone.

864/Cal/94. Texaco Development Corporation. Control method for fluid catalytic cracking coupled riser cyclone.

865/Cal/94. Krone Aktiengesellschaft. Termination unit for telecommunication and data lines.

866/Cal/94. Shaw Industries Ltd. High resolution geophone.

867/Cal/94. Shaw Industries Ltd. Low distortion geophone spring.

APPLICATION FOR THE PATENT FILED AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH,  
New Delhi-110005

26-09-94

1202/Del/94. A P I Polymers (India) Limited, Delhi, "Improved Footwears."

1203/Del/94. Mantra Health & Herbs Private Limited, "New Delhi, Ayurvedic Anti-Pollution Medicine."

1204/Del/94. CRS Holdings, Inc., USA, "Free-machining Austenitic stainless steel and process for preparing the same."

1205/Del/94. Chicago Pneumatic Tool Company, U.S.A., "Retainer for a pneumatic tool."

1206/Del/94. Nippondenso Co., Ltd., Japan, "Field Coil for motors."

1207/Del/94. Lenzing Aktiengesellschaft, "Austria, "Process for the preparation of cellulose solutions."

1208/Del/94. Arjo Wiggins S.A., France, "Safety Paper comprising a transparent zone of substantially zero opacity."

1209/Del/94. Simon Ebstein, France, "Mechanized and automatically managed installation for storing objects."

1210/Del/94. Thapar Corporate Research & Development Centre, Patiala and Andhra Pradesh Rayons Limited, "New Delhi," A process for the manufacture of rayon grade pulp."

1211/Del/94. Ramabadrnan Narayanan, New Delhi, "A process for the preparation of dosa batter."

1212/Del/94. Prestige HM-Polycontainers Ltd., U.P., "Closing device for a container."

27-09-94

1213/Del/94. International Business machines corporation, U.S.A., "Dasd capacity in excess of 528 megabytes apparatus and method for personal computers."

1214/Del/94. Exxon Chemical Patents, Inc., U.S.A., "Inter-vulcanized elastomer blends."

1215/Del/94. Rohm and Haas Company, U.S.A., "Fully Water-dilutable microemulsions."

1216/Del/94. ICI Australia Operations Proprietary Limited, "Australia, crosslinkable aqueous coating compositions." (Convention date 29th September 1993)—Australia.

1217/Del/94. Piaggio Veicoli Europei S.P.A., Italy. "Device for automatically operating a stand."

1218/Del/94. The Whitaker Corporation, U.S.A., "Electrical Cable connector."

28-09-94

1219/Del/94. Dabur India Limited, New Delhi, "Composition of blended edible vegetable oil and process of preparing the same."

1220/Del/94. Procter & Gamble Company, U.S.A., "Flexible porous, Absorbent, Polymeric macrostructures and methods of making the same."

1221/Del/94. The Procter & Gamble Company, U.S.A., "Active substance delivery system." (Convention date 30 September 1993)—U.K.

1222/Del/94. ICI Australia Operations Proprietary Limited, Australia, "Water-borne Soil resistant coatings." (Convention date 29th September 1993)—Australia.

29-09-94

1223/Del/94. Ramabadrnan Narayanan, New Delhi, "A dosa machine."

1224/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for extraction of aromatics from xerolene by sulfolane using re-extraction route for hydrocarbons recovery from extract phase."

1225/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the preparation of a copper containing glassy material useful as an U.V. Action-ometer."

1226/Del/94. Council of Scientific and Industrial Research, and AEC Ltd., New Delhi, "A process for the recovery of methyl (ester of butyated hydroxy phenyl) propionic acid from waste streams of polyol based phenol type high temperature anti-oxidants."

1227/Del/94. Council of Scientific and Industrial Research, New Delhi, "A device useful as a rotary degasser of metal melts."

1228/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the preparation of an extract from human placenta containing glycosphingolipids and endotoxin-like constituent peptides useful for the treatment of vitiligo."

1229/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the production of quick cooking rice."

1230/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the production of beta-tricalcium phosphate powder useful for biomedical applications."

1231/Del/94. Council of Scientific and Industrial Research, and AEC (I) Ltd., New Delhi, "An improved process for preparation of 3-(Hydroxy phenyl) propionate ester from sterically hindered pentaerythritol and methyl ester of phenyl substituted propionic acid."

1232/Del/94. Guardian Industries Corp., U.S.A., "Heat treatment convertible coated glass and method of converting same."

1233/Del/94. Bracco International B.V., Netherlands. "Hepatobiliary magnetic resonance contrast agents."

1234/Del/94. Interlego AG, Switzerland, "A stackable block system."

1235/Del/94. Interlego AG, Switzerland, "A stackable block system."

1236/Del/94. Motorola, Inc., U.S.A., "Apparatus and method for adapting a digital radiotelephone system to increased subscriber traffic."

1237/Del/94. Alan Shelton Limited, England, "Ollaning system for knitting machines." (Convention date 30th September 1993 and 18th November 1993) U.K.

30-09-94

1238/Del/94. The Procter & Gamble Company, U.S.A., "Novel Urethane-containing aminosteroid compounds."

1240/Del/94. The Procter & Gamble Company, U.S.A., "Novel Deoxy and Oxygen-substituted sugar-containing 14-aminosteroid compounds."

1240/Del/94. The Procter & Gamble Company, U.S.A., "Novel Oligo-saccharide-containing 14-aminosteroid compounds and novel diastereoselective aminosteroid process chemistry."

1241/Del/94. The Procter & Gamble Company, U.S.A., "Absorbent article having elastic pleat."

1242/Del/94. Motorola, Inc., U.S.A., "Multilayered electrolyte and electrochemical cells using same."

1243/Del/94. Fraxair Technology, Inc., U.S.A., "Terephthalic acid production."

1244/Del/94. Ballar Pty., Ltd., Australia, "Attitude sensing array."

1245/Del/94. Rolls-Royce Power Engineering Plc., England, "Improvements in BR relating to solid fuel burners." or  
(Convention date 26th October, 1993—U.K.)

1246/Del/94. Pomini S.P.A., Italy, "Rolling stand with tie-rods with extremely high strength to axial stresses."

03-10-94

1247/Del/94. The Whitaker Corporation, U.S.A., "Cable management system with service and user line testing."

1248/Del/94. Klaus Zimmer-Vorhaus, Australia, "Water-Power pump drive unit." (Convention date 7th October 1993)—Australia and 12-7-94 AU.

1249/Del/94. PSC, Inc., U.S.A., "Optical symbol (bar code) reading systems having an electro optic receptor with embedded grating rings."

04-10-94

1250/Del/94. Bains Harding Limited, Australia, "Fire retardant agents suitable for plastics."

1251/Del/94. Bains Harding Limited, Australia, "Fire retardant agents suitable for plastics."

05-10-94

1252/Del/94. The Procter & Gamble Company, U.S.A., "Substantive antimicrobial phosphates."

1253/Del/94. Pall Corporation, U.S.A., "Affinity separation method."

1254/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the isolation of a highly effective natural nematocide from moringa species useful for the control of a root knot nematode, *meliodogyne incognita*."

1255/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the preparation of dialkyl 2, 2, 2-Trichloroethylidene propanedicarboxylates."

1256/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for preparation of a DNA molecule useful for bioremediation of industrial wastes and wastewaters."

1257/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the desulphurization of coal."

1258/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the preparation of controlled release device and the release of active agents based on pendent chain linked biodegradable polymers."

1259/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for controlled release of drugs based on biodegradable poly (amide-anhydride)—drug conjugates."

1260/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the preparation of copper catalyst supported on a metal oxide."

1261/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the purification of waste water from textile wet process house."

1262/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the recovery of 2, 3-butanediol from fermentation broth."

1263/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the purification of cokeoven wastewater."

1264/Del/94. Council of Scientific and Industrial Research, New Delhi, "An improved process for the preparation of cellulase."

1265/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the demulsification of oil in water emulsion for the recovery of oil."

1266/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for recovery of oil from oily sludges and oil emulsions."

1267/Del/94. Council of Scientific and Industrial Research, New Delhi, "A process for the preparation of spherical pellets of fine silica."

1268/Del/94. Alliedsignal Inc., U.S.A., "Process for making an array of tapered photopolymerized waveguides."

1269/Del/94. GEC Alsthom T & D SA., France, "A high tension circuit breaker capable of interrupting fault currents having a delayed zero crossing."

07-10-94

1270/Del/94. Reichle + De-massari AG, Switzerland, "Conductor connecting apparatus for weak-current systems."

1271/Del/94. Cookson, Matthey Ceramics & Materials Limited, England, "Pigmentary material." (Convention date 29th October 1993)—U.K. and 30-4-94 U.K.).

#### ALTERATION OF DATE UNDER SECTION 16

174464 (65/Cal/90) antedated to 18th November 1986.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be

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### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अन्दान का विरोध करने के इच्छुक कोई व्यक्ति, उसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि में उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकने है। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपकतः (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट अध्यापक, फलकता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कामजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CL.: 63 B.

174451

Int. CL.: H-02 K 15/02.

### METHOD FOR PRODUCING THE STATOR OF A HEAVY ELECTRIC MACHINE.

Applicant: SIEMENS AKTIENGESellschaft OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor: ARNOLD WICHMANN.

Application No. 1035/Cal/1989; filed on 14th December, 1989

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

### 14 Claims

Method for producing the stator of a heavy electric machine, the conductor windings of which partially consist of winding rods (4) inserted into slots (3), having the features:

(a) the winding rods (4) are inserted into the slots (3);

(b) the slots (3) are closed by means of slot closing strips (7) of thin plates, which are approximately flat before the fitting-in, effecting an elastic pressing of the winding rods (4) into the slots (3) each slot closing strip (7) being fitted into recesses (8) of the slot (3) in the area of the slot opening (9), forming an arching (10) directed into the slot (3) and extending along the slot (3);

(c) the winding rods (4) are only pressed in with a force which is sufficient for preventing significant positional changes of the winding rods (4) during the further production process;

(d) the assembled stator arrangement is impregnated with curable syathetic resin, particularly by way of post-impregnation;

(e) the synthetic resin impregnation is cured, particularly by heat treatment.

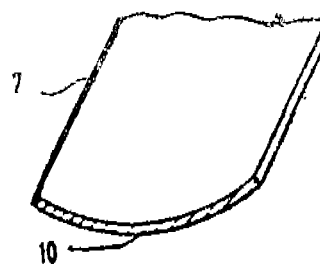


FIG 3

(Compl. Specn. 1 page :

Drawn. Nil)

CL.: 126 B, D

174452

Int. CL.: G 01 R 29/08;  
G 01 N 22/04.

### A PETROLEUM STREAM MICROWAVE WATER CUT MONITOR.

Applicant: TEXACO DEVELOPMENT CORPORATION OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventors:

- (1) DAVID ALBERT HELMS,
- (2) GREGORY JOHN HATTON,
- (3) MICHAEL GREGORY DURRETT,
- (4) EARL LEONARD DOWTY,
- (5) JOHN DAVID MARRELLI.

Application No. 113/Cal/1990; filed on 06th February, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

### 7 Claims

A petroleum stream microwave water cut monitor comprising: a test cell (53) for containing a reference petroleum multiphase fluid sample and for having a sample stream of a petroleum stream flowing through it;

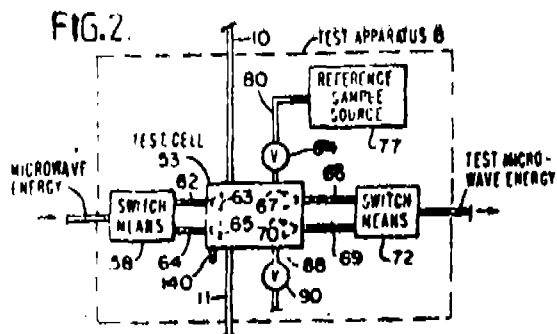
a source (3) for supplying microwave energy;

first antenna means (63, 65) connected to the source (3) for transmitting microwave energy into the petroleum sample stream or into the reference sample;

second antenna means (67, 70) for receiving microwave energy that has passed through the petroleum sample stream or the reference sample and providing the received microwave energy as test microwave energy;

phase difference means (28, 30) arranged to provide a signal (EO) representative of the phase difference between the transmitted microwave energy and the received microwave energy;

a detector (22) connected to the second antenna means (67, 70) for detecting the power of the test microwave energy and providing a power signal (E1) representative thereof; and indicator means (5, 34, 40, 44) connected to said second antenna means (67, 70) to the source (3) and to the detector (22) to provide an indication of the water cut of the petroleum stream in accordance with the phase difference signal (EO) and the power signal (E1) from the sample stream as referred to base line phase difference and power signals (EO, E1) from the reference sample.



(Compl. Specn. pages

Drgns. sheets)

Cl.: 32 F 3

174453

Int. Cl.: C 08 F 120/06, 120/10;  
C 07 C 59/01.

#### A PROCESS FOR THE PURIFICATION OF METHYL METHACRYLATE.

##### Applicants:

- (1) MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.
- (2) KURARAY CO. LTD. OF 1621, SAKAZU, KURASHIKISHI, OKAYAMA-KEN, JAPAN.

##### Inventors:

- (1) HIROZO SEGAWA,
- (2) NORIO ISHIKAWA,
- (3) KATSUJI YOGUCHI,
- (4) MORIMASA KURAGANO,
- (5) MINORU KOSHIBE.

Application No. 242/Cal/1990; filed on 26th March 1990.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule 1972), Patent Office, Calcutta.

##### 6 Claims

A process for the purification of methyl methacrylate which comprises the following steps:

azeotropically distilling, by conventional methods together with hexane, a mixture comprising water, methanol and methyl methacrylate as principal components and containing at least one of methyl acrylate, methyl propionate and methacrylic acid, thereby obtaining a high boiling, point fraction at 90—105°C and a low boiling point fraction at 60—75°C, said high boiling point fraction being substantially free of water, methanol, methyl acrylate, methyl propionate and hexane and composed principally of methyl methacrylate and hence recovered, said low boiling point fraction being principally composed of water, methanol and hexane and containing at least one of methyl acrylate and methyl propionate;

cooling the low boiling point fraction to obtain a condensate;

separating the condensate into a water phase and an oil phase;

adding an alkaline substance to the water phase;

distilling the water phase which has been added with the alkaline substance, thereby recovering methanol; and using the oil phase as a source for hexane to be used in the azeotropic distillation.

(Compl. Specn. 17 pages;

Drgns. 1 sheet)

Cl.: 32 E.

174454

Int. Cl.: C 08 L 63/02.

#### AQUEOUS EPOXY RESIN-ACRYLIC RESIN COATING COMPOSITIONS.

Applicant: The VALSPAR CORPORATION OF 1101 THIRD STREET SOUTH MINNEAPOLIS, MN 55415, UNITED STATES OF AMERICA.

Inventor: HIRENDRA K. PATEL.

Application No. 531/Cal/1990; filed on 26th June 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

##### 12 Claims

A heat curable aqueous coating composition comprising an aqueous dispersion of an ammonia or amine salted resinous composition comprised of:

- (a) about 35 to about 55 weight percent epoxy resin;
- (b) about 7 to about 30 weight percent acrylic resin;
- (c) about 10 to about 30 weight percent phenoxy resin;
- (d) about 5 to about 15 weight percent alkylated phenol novolac resin;
- (e) 3 to about 10 weight percent resol resin, and, optionally
- (f) upto about 5% wt. of aminoplast and upto about 30% wt. of polyvinyl chloride resin,

said weight, percent being based on the total weight of (a), (b), (c), (d) and (e),

wherein the epoxy resin is a glycidyl polyether of a dihydric phenol having an epoxide equivalent weight of about 1200 to about 6000;

wherein the acrylic resin is a copolymer of a polymerizable ethylenically unsaturated carboxylic acid monomer and a monomer copolymerizable therewith, said comonomer being free of acid groups, wherein the polymerizable acid is present in the acrylic resin in the amount of about 5 to about 45 weight percent based on the total weight of the acrylic resin,

wherein the phenoxy resin is the reaction product of epichlorohydrin and Bisphenol A having a molecular weight of about 6,000 to about 85,000

wherein the alkyl substituent in the alkylated phenol novolac resin contains about 8 to about 12 carbon atoms, and wherein the resol resin has a softening point of about 55 to about 85°C and a cure time on a hot plate at 185°C of about 60—130 seconds.

(Compl. Specn. 25 pages;

Drgns. Nil)

Cl.: 27 H.

174455

Int. Cl.: F 16 B 12/44.

# A CONNECTOR FOR FORMING STRUCTURES.

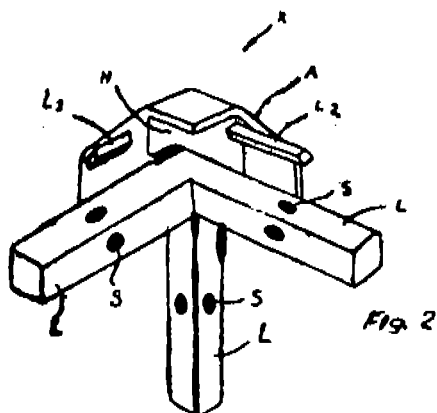
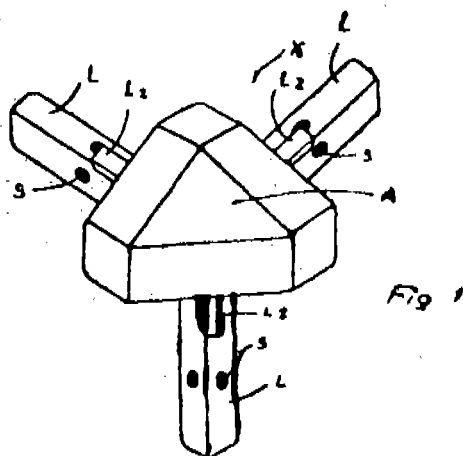
Applicant & Inventor: SHUBH KARAN JHAJHARIA OF 40 STRAND ROAD, 3RD FLOOR, ROOM NO. 18/6, CALCUTTA 700 001, WEST BENGAL, INDIA.

Application No. 578/Cal/1990; filed on 11th July 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

## 10 Claims

A connector for forming structures constituting a block (X) comprising of a head portion (A) having at least two legs (L) extending at an angle between 22°–95° therefrom, said head portion further having lugs (L<sub>1</sub>) extending parallel to said extended legs, a matching profiled bridging element (Y) provided for connection to said connector block, said extended legs and said lugs being secured within said matching profile of said bridging element thus forming the desired structure, said bridging element profile further having provisions to house metal, wood, glass or like material plate there between.



(Compl. Specn. 9 pages;

Drgns. 2 sheets)

Cl.: 172 C, 5

174456

Int. Cl.: D 01 G 15/40.

THE DEVICE AT A CARDING MACHINE WITH A FEEDING DEVICE CONSISTING OF A FEED ROLLER AND A FEEDING TABLE.

Applicant: TRUTZSCHLER GMBH & CO. KG. OF DUVENSTR. 82–92, D-4050 MONCHENGLADBACH 3, WEST GERMANY.

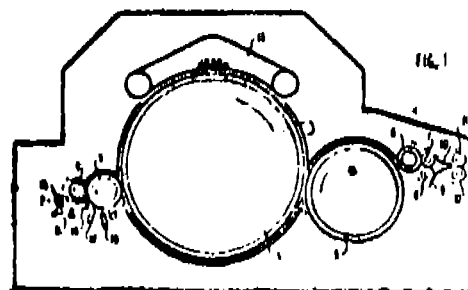
Inventor: WILFRIED WEBER.

Application No. 590/Cal/1990; filed on 13th July 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

## 15 Claims

The device at a carding machine with a feeding device consisting of a feed roller and a feeding table, which feeds the fibre material to a fast running taker-in is provided with a garniture, this taker-in uncurls the fibre material coming out from the clamping gap between the feed roller and the feeding table, wherein at least one carding element (16) is placed at the front area (2a) of the feeding table (2) facing towards the taken-in (3), this carding element (16) contains individual carding points (16a) projecting in the direction towards the taker-in (3).



(Compl. Specn. 8 pages.

Drgns. 2 sheets)

Cl.: 114 E, F.

174457

Int. Cl.: C 14 1/08, 3/02.

APPARATUS FOR THE TREATMENT OF HIDES IN WET PROCESSES.

Applicant: JOHS. KRAUSE GMBH MASCHINENFABRIK OF PLANCKSTR 13-15, D-2000 HAMBURG 50 FEDERAL REPUBLIC OF GERMANY.

Inventor: ARNE PETERSEN.

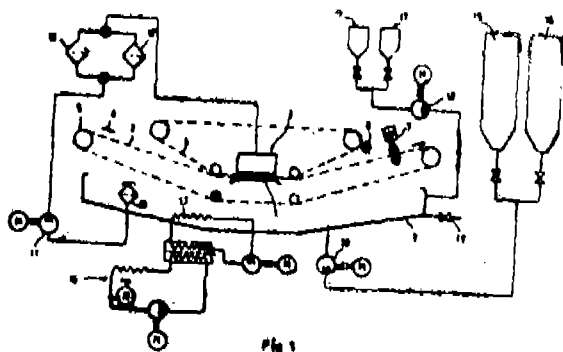
Application No. 752/Cal/1990; filed on 3rd September 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Ruel 1972), Patent Office, Calcutta.

## 19 Claims

Apparatus for the treatment of hides with liquids in so-called wet processes, e.g. liming, bating, tanning, dyeing comprising a lower conveyor belt receiving the hide an upper conveyor belt covering the hide and both of which are liquid-permeable, a rigid worktable over which is guided the conveyor belts with the hide positioned between them and a treatment means positioned above the same and having at least two nozzle rows with displaced nozzles, which extend at least over the working width and by means of which the

treatment liquids penetrate the hide under pressure, characterized in that the conveyor belts (3, 4) are driven continuously and the nozzle rows (21) are arranged at a very limited distance above the hide (20) or the upper conveyor belt (4) and are driven in oscillating manner at right angles to the conveying direction.



(Compl. Specn. 14 pages.

Drgns. 5 sheets)

Cl.: 85 F.

174458

Int. Cl.: F 23 H, 11/04.

THE GRATE AND THE BURNING MATTER VESSEL CONSTRUCTED WITH THE SAME.

Applicant: TESET AG. OF 21, RUE DE BOUEMONT 4888 WAIMES, BELGIUM.

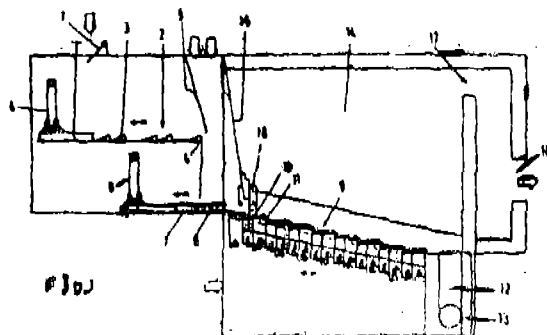
Inventor: LOUIS DETHIER.

Application No. 35/Cal/1991; filed on 11th January, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 12 Claims

The grate for a burning matter vessel of the type herein described consisting of plates (10, 11) arranged as steps of those each second one (11) can be moved to and fro and is provided with a corresponding drive characterised in that the combustion air passes through the space between the plates (10, 11) wherein the fixed plates (10) are fixed on a common first holding device (20) and the movable plates (11) on a common second holding device (29) and the fixing of each plate (10, 11) can be adjusted in their heights on the holding devices (20, 29).



(Compl. Specn. 14 pages;

Drgns. 4 sheets)

Cl.: 32 F 1

174460

Int. Cl.: C 07 C 103/75.

A PROCESS FOR THE PREPARATION N'-SUBSTITUTED N-AMINO-3, 4, 5, 6-TETRAFLUOROPHTHALIMIDES.

Applicant: HOECHST AKTIENGESSELLSCHAFT OF D-6590 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors:

(1) THEODOR PAPANIFUHS.

(2) RALF PFIRMANN.

Application No. 229/Cal/1992; filed on 6th April 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 9 Claims

A process for the preparation of N' substituted N-3, 4, 5, 6-tetrafluorophthalimides of formula (1) of the accompanying drawings in which X is the radical (a), where R<sub>1</sub> and R<sub>2</sub> are in each case a hydrogen atom, an alkyl-(C<sub>1</sub>-C<sub>10</sub>) group, aryl group, alkyl (C<sub>1</sub>-C<sub>10</sub>)-CO group or aryl-CO group, where the aryl or aryl-CO groups in the case of R<sub>1</sub> and R<sub>2</sub> can be substituted on the aromatic ring by fluorine and/or chlorine atoms and/or alkyl (C<sub>1</sub>-C<sub>4</sub>) groups, or R<sub>1</sub> and R<sub>2</sub> together are a phthaloyl radical which can be substituted on the aromatic ring by 4 chlorine atoms or 4 fluorine atoms, preferably the radical (b) or in which X is the radical (c) which can be substituted on the aromatic ring by fluorine and/or chlorine atoms and/or alkyl (C<sub>1</sub>-C<sub>4</sub>) groups, which comprises reacting 1 mol of 3, 4, 5, 6-tetrachlorophthalic anhydride with an at least equimolar amount of a nitrogen compound of the formula (2) in which R<sub>1</sub> and R<sub>2</sub> have the abovementioned meanings, in an aqueous/alcoholic medium in glacial acetic acid, in 90 to 100% strength sulfuric acid or in oleum at temperatures (depending on the medium used) of 100 to 200°C to give the corresponding N' substituted N-amino-3, 4, 5, 6-tetrachlorophthalimide of the formula (3) in which R<sub>1</sub> and R<sub>2</sub> have the abovementioned meanings, and fluorinating the resulting imide with potassium fluoride, rubidium fluoride or cesium fluoride or mixtures of these at temperatures of 50 to 230°C in the presence or absence of a phase-transfer catalyst, in a polar aprotic solvent.

(Compl. Specn. 16 pages;

Drgns. 1 sheet)

Cl.: 32 F 3; 55 E 4.

174460

Int. Cl.: A 61 K 31/19;

C 07 C 51/02.

PROCESS FOR THE PREPARATION OF STABLE SALTS OF (+)-(1S, 2R)-2-[N-(2-HYDROXYAMINO-2-OXOETHYL)-N-METHYL-AMINO CARBONYL CYCLOHEXANE-1-CARBOXYLIC ACID.

Applicant: LABORATORI GUIDOTTI SPA OF VIA TRIESTE, 40, 56100 PISA ITALY.

Inventors:

(1) GIORGI RAFFAELLO.

(2) SUPISSE ALESSANDRO.

(3) TURBANTI LUIGI.

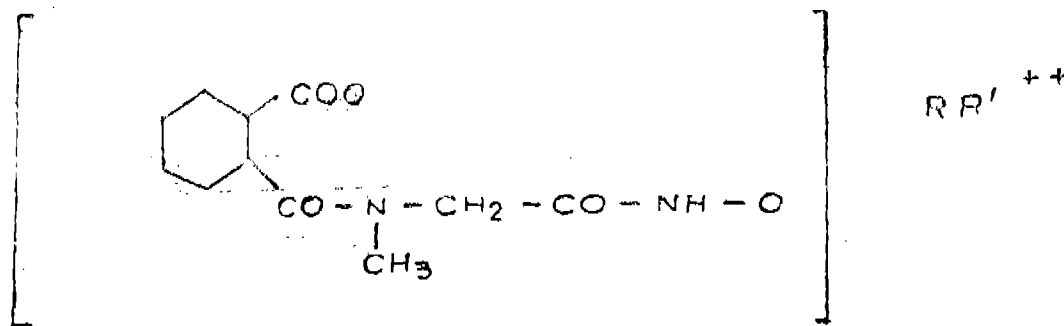


Application No. 898/Cal/1992; filed on 15th December, 1992.

7 Claims

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

1. A process for the preparation of stable salts of (+)- (1S, 2R) -2-[[N-(2-hydroxylamino-2-oxoethyl) N-methylamino] carbonyl] cyclohexane-1-carboxylic acid and represented by the general formula (I).



I

wherein R and R', if taken together, represent a bivalent cation selected from calcium, ethylene diamine and pharmaceutically acceptable cations or organic bases, or if R<sup>1</sup> = H+, R represents sodium, potassium, an imidazole group, lysine, choline, diethanolamine, arginine or histidine characterize in that (+)-(1S, 2R) -2- [N- (2-benzylhydroxy amina-2-oxoethyl) -N-methylamino carbonyl] cyclohexane-1-carboxylic acid is reacted with a compound selected among hydrates and carbonates or other suitable salts of alkaline and alkaline-earth metals, such as herein described, as well as with organic bases, such as herein described, equimolar amount of reactants being used, in an organic solvent, such

as herein described, or mixtures thereof with water, the reaction taking place, preferably at room temperature and in the presence of nitrogen with continuous stirring and with contemporaneous hydrogenolysis of the protecting benzyl group with hydrogen at atmospheric pressure, in the presence of a suitable hydrogenation catalyst, such as herein described, the process being completed by isolating by a known method the desired salt of the acid, represented by the aforesaid general formula (I).

(Compl. Specn. 14 pages:

Drgns. Nil)

Cl.: 152 E  
145 E 13

174461

Int. Cl.: D 21 H 3/58.

METHOD AND APPARATUS FOR PRODUCING PARA-ARAMID PULP.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors: ROLAND THEODORE BRIERRE, STEPHAN CLAUDE DE LA VEAUX, JAMES I. GEARY, JR., WESLEY MEMEGER, JR., AND MICHAEL LEO TRANCYNGER.

Application No. 501/Cal/89; filed on 27th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

18 Claims

A method for producing para-aramid pulp comprising: forming a liquid, actively polymerizing solution such as herein described containing polymer chains of a para-aramid by contacting with agitation substantially stoichiometric amounts of aromatic diacid halide consisting essentially of a para-oriented aromatic diacid halide and aromatic diamine consisting essentially of a para oriented aromatic diamine in a substantially anhydrous amide solvent system such as herein described;

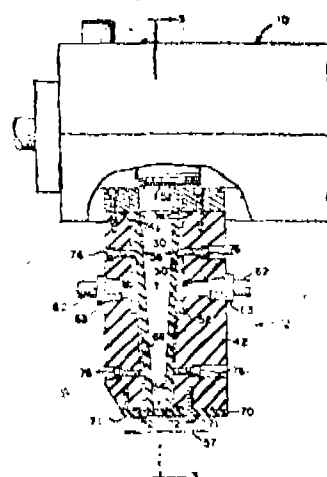
extruding said liquid solution onto a conveyor, when the inherent viscosity of the para-aramid is between 1 and 4, through a die to subject the solution a mean shear or less than about 100 Sec<sup>-1</sup> and to produce an elongated optically anisotropic liquid solution containing domains of polymer chains with which the polymer chains of para-aramid are substantially in the direction of flow;

incubating said anisotropic liquid solution for at least a duration sufficient for said anisotropic solution to become a gel, said incubating being initiated when said optically anisotropic liquid solution has a viscosity sufficient to maintain the orientation of said anisotropic liquid solution until said liquid solution becomes a gel;

cutting said gel with a guillotine-like cutter at selected intervals transversely with respect to the orientation of the polymer chains in said gel; and

isolating in a manner such as herein described para-aramid pulp from said gel.

FIG. 2



(Compl. Specn. 45 Pages;

Drgns. 3 sheet)

Cl.: 33 A

174462

generate and maintain a permanent prestress in the material of the crank webs.

Int. Cl.: B 22 D 11/10.

**FIRE-PROOF SET OF PLATES FOR THREE-PLATE SLIDE LOCKS.**

Applicant: METACON AG., OF OERLIKONER STR. 88, CH-8057 ZURICH, SWITZERLAND.

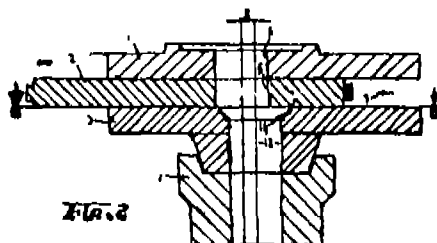
Inventor: BERNHARD TINNES, WALTER VETTERLI.

Application No. 560/Cal/89; filed on 13th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

**6 Claims**

Fire-Proof set of plates for the three-plate slide locks, in particular for the regulating of the inflow of steel smelt in the continuous casting ingot moulds, with one smelt flow channel formed by the flow holes of the plates, the flow cross section of which can be changed by the displacement of a slide plate which is placed between a locally fixed inflow plate and an outflow plate carrying a fire-proof outflow, which is also locally fixed, the flow hole of the outflow plate makes possible a complete discharge of the smelt from the flow hole of the slide plate while in the locking position, wherein the flow hole (12, 16, 18) of the outflow plate (3) has an axial displacement (x) opposite to the flow hole (4) of the inflow plate (1) in the locking direction (8) of the slide plate (2) as well as at least one conical widening (14, 15, 17) at the inflow side.



(Compl. Specn. 17 pages)

Drgs. 2 sheets)

Cl.: 127 B

174463

Int. Cl.: F 16 C 3/06, 11/02.

**"A CRANKSHAFT WITH HOLLOW PINS".**

Applicant: EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE MBH OF HAUPSTRASSE 150, 5204 LOHMAR, WEST GERMANY.

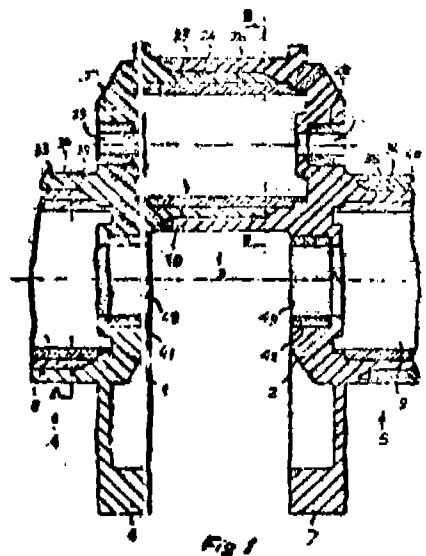
Inventor: HEIMUT SWARS.

Application No. 760/Cal/89; filed on 15th September, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

**16 Claims**

A crankshaft with hollow pins having through-apertures emerging in the crankwebs characterised in that in the crank webs there are inserted expending means which take the form of formed members such as herein described in a way so as to be distributed across their cross-sections, (27, 28, 41, 42, 58, 59, 60, 61, 66, 72, 77) into apertures in the region of the main pins and crank pins which expending means



Compl. Specn. 15 Page -

Provl. Specn. 1 Pages

Drgs. Nil

Drgs. 5 sheets

Cl. 101 B

174464

Int. Cl.: E 02 B 17/02

E 02 D 2/06

**"METHOD OF CONSTRUCTING A RIGID STRUCTURE UPON THE BOTTOM OF A BODY OF WATER".**

Applicant: DARYA NAYE JETTY CO., LTD., OF EL-LENS COTTAGE, WOOLTON FARM, BEKESBOURNE, CANTERBURY, KENT, GREAT BRITAIN.

Inventor: AHMAD MASOUDI

Application No. 65, Cal/90; filed on 25th January, 1990.

Divided out of Application No. 838/Cal/86 antedated to 18th November, 1986.

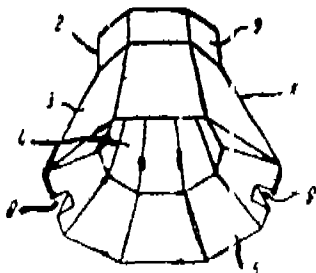
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

**4 Claims**

In a method of constructing a rigid structure upon the bottom of a body of water, such as a platform, a jetty, a pier, a column or the like, by making use of a hollow casing open at top and bottom, which casing is placed upon the bottom of the water with its top extending above water level; is lowered into said bottom by removing material from the bottom area surrounded by the lower edge of the casing after the casing being placed upon said bottom and is used to construct the load supporting structure by making use of a filling, and/or hardening material inside the casing characterized in that improvement comprises adapting a double walled casing having a top which is smaller than the base, the inner and outer wall of which defining a hollow space which is open at the top and closed at the bottom in a

manner forming a sharp lower cone. said hollow space accommodates reinforcing rods and concrete or the like hardening materials.

Fig - 1



Compl. Specn. 15 Pages

Drgs. 3 Sheets

Cl. : 65 A \*

174465

Int. Cl.<sup>4</sup> : H 02 M 7/00

## "WAVEFORM GENERATION &amp; CONTROL"

Applicant : SIMENS LTD., OF 34 CHURCH STREET, RICHMOND, VICTORIA 3121. AUSTRALIA,

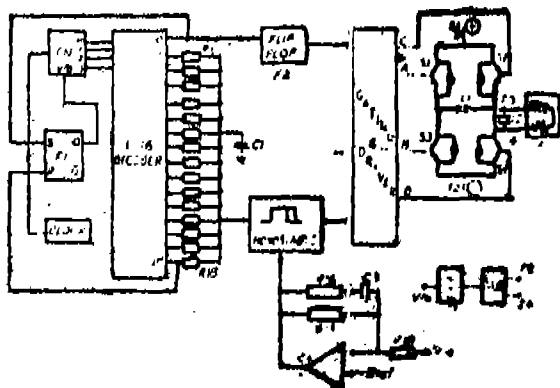
Inventors : DALE JOHN BUTLER.

Application No. 129/Cal/90; filed on 8th February, 1990 (Convention No. PJ 2680 dated 28th February, 1989 (Australia)).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

## 6 Claims

An inverter circuit for creating a sinusoidal waveform a DC supply, said circuit comprising a memory to store a representation of the intended magnitude of said sinusoidal waveform at each of a plurality of equally spaced time intervals, characterised in that the output of said memory is connected to a monostable circuit to sequentially apply each magnitude representation at each time interval to control the pulse width of a square wave output thereof, and said monostable circuit output is connected to the control terminals of a four quadrant switching circuit supplied by said DC supply, the output of said switching circuit constituting said sinusoidal waveform.



Compl. Specn. 8 Pages

Drgs. 3 Sheets

Cl. : 146-C

174466

Int. Cl.<sup>4</sup> : G 01 N 22/04

## "MOISTURE ANALYSER APPARATUS".

Applicant & Inventor : V. S. RAJAN, OF 302/1, N.S.C. BOSE ROAD, CALCUTTA-700 047.

Application No. 237/Cal/90; filed on 22nd March, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

## 12 Claims

A moisture analyser apparatus for determining moisture contents of samples comprising a housing cabinet having a microwave drying system including a microwave oven having means for regulating, interrupting the magnetron radiation at a predetermined level, a precision balance of high sensitivity, a pan provided with the balance so as to hold a sample and said pan being adapted to project into said microwave oven which oven being provided with a timing device for setting the timing of the oven.

Comps. Specn. 12 Pages

Drgs. Nil

Provl. Specn. 5 Pages

Drg. 1 sheet

Cl. : 83 A

174467

Int. Cl.<sup>4</sup> : A 21 C 15/02, A 21 D 08/02

## "AN IMPROVED APPARATUS FOR PREPARING WHOLEWHEAT OR REFINED FLOUR TOASTED TORTILLAS"

Applicant : VILLAMAX S.A. DE C. V., OF LAZARO CADENAS 2089 COLLAS TORRES, C. P. 44920, GUADALAJARA, JALISCO, MEXICO,

Inventors : MANUEL VILLAGOMEZ RODRIGUEZ

Application No. 540/Cal/90; filed on 29th June 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

## 11 Claims

An improved apparatus for preparing toasted tortillas made of wheat flour, either wholewheat or refined, of the type comprising a pair of plates coupled together at one end, between which a ball of dough made of a mix of flour of a desired composition is placed in such a way that upon depressing the top plate by means of a linked lever at one of the ends to the other end of the lower plate, a toast of a determined thickness is obtained, the improvement being characterized by the two plates having inserted within their interiors relevant resistance which convert the plate into cooking pans so that upon the resistances being heated by means of electrical energy the dough of flour mix is cooked till obtaining toasted tortillas from said flour mix of wheat, either wholewheat or refined.

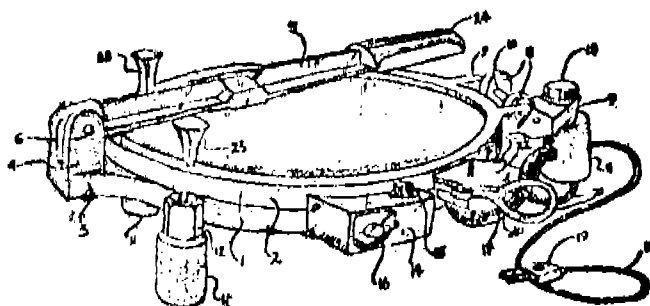


FIG. 1

Compl. Specn. 14 Pages

Drgs. 5 Sheets

Cl. : 116 D  
129 M

174468

Int. Cl.<sup>4</sup> : B 65 H 5/20

**"APPARATUS FOR ROUNDING AND CONVEYING ONWARDS SHEET METAL BLANKS FOR CAN BODIES"**

Applicant : ELPATRONIC AG, OF BAARERSTRASSE 117, 6300 ZUG, SWITZERLAND.

Inventor : STIEGER OTHMAR.

Application No. 612/Cal/90 filed on 23rd July 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

**10 Claims**

Apparatus for rounding and conveying onwards sheet-metal blanks (10) for can bodies having

—first and second bending rolls (24, 25) through between which a sheet-metal blank (10) can be moved.

—a deflecting member (28) which is disposed behind the bending rolls (24, 25) in the direction of movement (12) of the sheet-metal blanks (10) and at which the sheet-metal blank (10) can be deflected away from the first bending roll (24) and round the second bending roll (25) out of its original direction of movement (12)

—a catch edge (29) to catch the edge of the sheet-metal blank (10) which is leading in the original direction of movement (12)

at least one pair of conveying members (48) for the axial onward movement of the rounded sheet-metal blank (10) and

—a guide rail (30) along which the rounded sheet-metal blank (10) is guided with its longitudinal edges close beside one another during its axial onward movement, characterised in that the catch edge (29) is disposed at the side of the second bending roll (25) remote from the first bending roll (24) and at least substantially in the common plane of the axes of the two bending rolls (24, 25) and is a component of the guide rail (30) which extends at least substantially over the whole length of the two bending rolls (24, 25) and which is arranged in such a manner that it is encircled by the sheet-metal blank (10) during the bending of the blank.

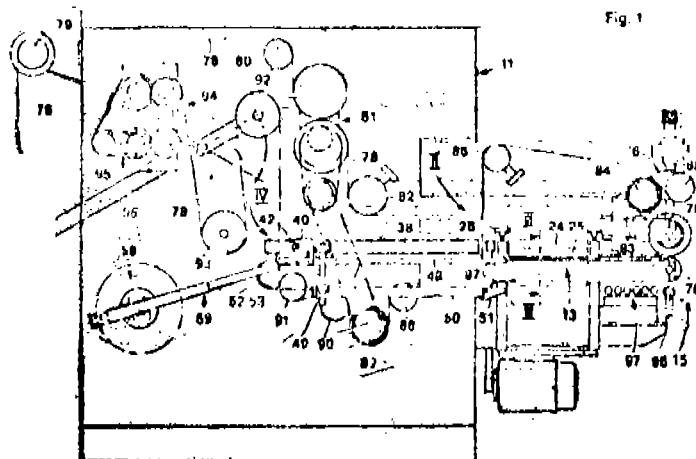


Fig. 1

Compl. Specn. 24 Pages

Drgs. 6 Sheets

Cl. 84 A. 84 C 2.

174469

Int. Cl.<sup>4</sup> C 10 L 5/02.

**"A PROCESS FOR CONVERSION OF BIO-MASS PRESENT IN SHAKER DUST OBTAINED FROM JUTE MILLS BY FERMENTATION TO BIO-GAS, SOLID FUEL BRIQUETTES AND ORGANIC MANURE"**

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATALA ROAD, CALCUTTA-700 088, WEST BENGAL, AN INDIAN RESEARCH INSTITUTE.

Inventors : (1) DR. ASIT BARAN KUNDU, (2) DR. BIRENDRA LAL GHOSH AND (3) CHAITANYA KRISHNA KUNDU.

Application No. 47/Cal/91 filed on 16th January, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

**24 Claims**

A Process of conversion of bio-mass present in shaker dust obtained from jute mills by fermentation for total conversion of bio-mass into various fuels including bio-gas, solid fuel briquettes and manures comprising the following steps;

(a) pretreatment of the shaker dust with alkali solution at ambient temperature to reduce the water repellency and to start seellling, maintaining the pH at 6.5 to 8. If necessary by replacing a portion of sodium hydroxide with lime and then adding an aliquot of diammonium phosphate (D. A. P.) to reduce the C/N ratio of the shaker dust as herein described and then alongwith aerobic fermentation of the swelled dust by keeping it open in the form of pile of compost for a period of 5-6 days.

(b) Charging the pretreated swelled shaker dust in a fermentor for aerorobic fermentation by maintaining solid water ratio to 1 : 4; adding inoculum which may be fresh cowdung solution or a portion of the slurry from the previous charges amounting to about 10% (w/w basis) of the fermenting liquor at ambient temperature when the gas production starts from the 4th day of charging the fermentor and continues upto the 60th day from the start.

(c) removing the digested slurry from the fermentor as obtained after 60 days from the tank, and concentrating the same to briquetting consistency and/or drying for use either as fuel briquettes by mixing with low grade coal powder or is used directly as manure.

Compl. Specn. 17 Pages

Drgs. 6 Sheets

Cl.  $32F_1+32F_{2b}$   
+55E<sub>a</sub>.

174470

Int. Cl. C 07D 217/00.

"NOVEL PROCESS FOR THE PREPARATION OF ISOQUINOLINE QUANIDINOBENZOATE DERIVATIVES AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF"

Applicant: SNOW BRAND MILK PRODUCTS CO. LTD., 1-1 NEABOCHO 6-CHOME, HIGASHI-KU, SAPPORO-SHI, HOKKAIDO, JAPAN.

Inventor: (1) YASUYOSHI TAKESHITA, (2) HIROSHI NAKAMURA (3) SUSUMU ISHIGURO, (4) NOBORU KWAGUCHI, (5) SHINICHI SHIMADA, (6) TADAYOSHI KOYAMA, (7) MOTOHIDE SEYA (8) NORIKO ABE, AND (9) SHIN NOMOTO.

Application No. 591/Cal/91 filed on 5th August, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

### 37 Claims

A process for preparing a novel isoquinolyl quanidinobenzoate derivative of formula 1 of accompanying drawing and pharmaceutically acceptable salts thereof wherein  $R_1$  is p-guanidinobenzyloxy group and  $R_2$  is a hydrogen atom, a hydroxy, cyano- $COR_3$  wherein  $R_3$  is an amino or  $(C_1-C_4)$  alkyl group,  $COOR_4$  group wherein  $R_4$  is a hydrogen atom,  $(C_1-C_4)$  alkyl, phenyl, benzyl or  $-CH_2CONR_5R_6$  wherein  $R_5$  and  $R_6$  are same or different and selected from a hydrogen atom and  $C_1-C_4$  alkyl group which comprises reacting 4-guanidino benzoic acid or a derivative or formula IIa wherein R stands for hydrogen or the group  $-COR$  in said formula IIa is selected from the group acid halide, acid anhydride, mixed acid anhydride with other acids like tri-chloroacetic acid, methanesulfonic acid, benzene sulfonic acid and isobutoxy formic acid, onium salts like 2-bromo-1-pyridinium iodide, 2-chloro-3, 5 dinitro pyridine and 2-chloro-1-methyl pyridinium iodide or active ester like P-nitrophenyl ester and N-hydroxy succinimide ester, with a 5-substituted isoquinoline derivative of Formula IIIa in presence of a catalyst such as herein described wherein  $R_7$  has the same meaning as stated above and R is hydrogen, conventional ester group or selected from trifluoroacetic acid ester or radical shown in Formula IV A and reacting the product thus obtained with commonly known acids for isolating the compound as pharmaceutically acceptable salts in a known manner.

Compl. Specn. 30 Pages

Drgs. 4 Sheets

Ind. Cl.: 128G.

174471

Int. Cl.: A 61 B 19/00.

APPARATUS FOR CURING DISEASES AND HAVING PRESERVATIVE AND GROWTH ACCELERATING PROPERTIES.

Applicant: MRS. MEERA SATPATHY, M-2789, NETAJI NAGAR, NEW DELHI-110 023.

Inventor: MRS. MEERA SATPATHY.

Application for Patent No. 238/Del/90, filed on March 13, 1990.

Complete after provisional filed on June 3, 1991.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent office Branch, New Delhi-1100 05.

### (Claims 5)

Apparatus for curing diseases and having preservative and growth accelerating properties which consists of a pyramidal chamber having a square base, on each side of the base is a triangular side extending upwards & slating inwardly such that the top apex points of the four triangular sides meet at a common apex at a point on the perpendicular drawn upwards from the centre of the base of the pyramidal chamber characterised in that each triangular side makes the same slant angle with the side of the base of the pyramidal chamber, the slant angle being between 51 to 59 degrees, to have a slant angle of 51 degrees, the ratio between the height of the pyramidal chamber from the centre of its base upto the common apex meeting point of the four triangular sides and

the length of the side of its square base is 1:1.619 and to have a slant angle of 59 degrees, the ratio between the height of the pyramidal chamber from the centre of its base upto the common apex meeting point of the four triangular sides and the length of the side of its square base is 1:1.202.

(Prov. specn. 4 pages

Drgs. Nil.)

(Comp. specn. 6 pages

Drgs. Nil.)

Ind. Cl.: 116 G.

Int. Cl.: B 65 G 15/00.

174472

A PNEUMATIC PUMP ASSEMBLY FOR FEEDING MATERIAL TO THE FURNACE CHAMBERS.

Applicant: BHARAT HEAVY ELECTRICALS LTD. BHEL HOUSE, SIRI FORT, NEW DELHI-110 049, INDIA AN INDIAN COMPANY.

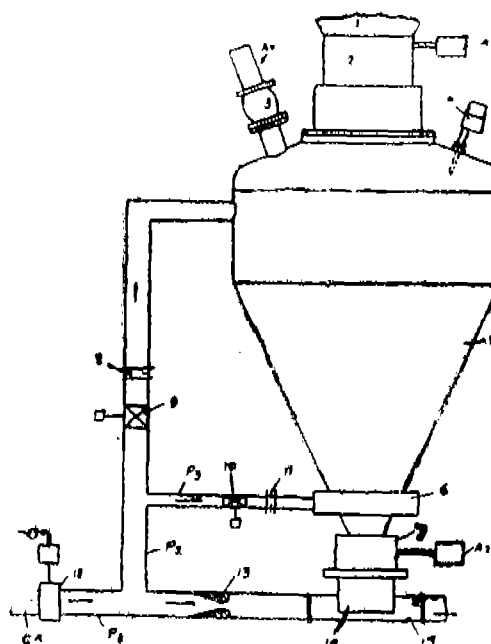
Inventor: RAJA MAYANDI SOUNDARA AND JAYA KUMAR GOPALASAMY.

Application No. 666/Del/fild on 3-8-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

### (Claims 06)

A pneumatic pump for pneumatically feeding or pumping granular material for feeding the same to furnaces chambers, reaction vessels and the like comprising a substantial conical vertical vessels (5) having its mouth connected to the lower portion of a bunker (1) containing the granulated material, characterized in that an air vent being provided at its top, the discharge outlet of said vessels being connected to a delivery chamber (14) a fluidizing pad (6) provided at lower end of said vessel (5) near said discharge outlet, said delivery chamber connected to a granular material conveying pipe line, (15) conventional means for supply of compressed air being connected through branch pipes  $P_2$  &  $P_3$  to the upper part of the vessel, (5) to the lower part of the vessel and through main pipeline  $P_1$  to said granular material conveying pipeline (15), isolating valves (2, 7, 3, 9 & 10) being fitted between the bunker (1) and the vessel (5), in said outlet of the vessel said air vent (AV), and said pipes connected to the upper and lower part of the vessels (5), and a flow control valve (12) fitted in said main pipe line  $P_1$ , supplying said compressed air from said compressed air supply means.



(Complete specifications; 13 pages.

Drg. 1 sheet.)

Ind. Cl. : 85 R XXXI

174473

Int. Cl. : F 27 B1/00

'DEVICE FOR MOUNTING A GRIPPER FOR COUPLING A ROD FOR PIERCING THE TAPHOLE OF A SHAFT FURNACE TO A PIERCING MACHINE'.

Applicant : PAUL WURTH S.A; A COMPANY ORGANISED UNDER THE LAWS OF LUXEMBOURG, OF 32 RUE D'ALSACE, L- 1122 LUXEMBOURG, GRAND-DUCHY OF LUXEMBOURG.

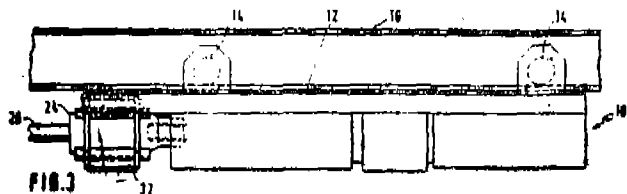
Inventor : (1) PIERRE MAILLIET  
(2) JEAN METZ.

Application No. 808/DEL/88 filed on 23-9-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Delhi-5.

#### Claims 5

Device for mounting a gripper for coupling a rod (26) for piercing taphole of a shaft furnace to a working tool (10, 34) mounted on a sliding carriage (12) of a piercing machine, in which device the said gripper (24) has a f-male thread (30) for screwing on a threaded endpiece (28) of the working tool (10), and a supporting cage (32) being fixed to the said carriage (12) for ensuring the vertical and lateral support to said gripper and allowing it to slide longitudinally.



(Comp. Specn. 8 pages;

Drgs. 5 sheets)

Int. Cl. : F 27 D 19/00.

Ind. Cl. : 85 J XXXI

174474

"A DUST COLLECTING DEVICE".

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS, M-10 SOUTH EXTENSION PART II, RING ROAD, NEW DELHI-110 049, INDIA, AN INDIAN COMPANY.

Inventor : HOSAGRAHARA CHANDRASEKHARAN VISVESVARAYA.

Provisional Spenc. with Application No. : 811/DEL/88.

Filed on : 26-9-88.

Post Dated 26-11-88.

Com. Spen filed on : 26-4-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Delhi-5.

#### Claims 10

1. A dust collecting device for use with a chimney of, for example, a vertical shaft kiln, for reducing the amount of pollutants entrained in the flue gases discharged from said chimney, said dust collector (DC) comprising at least two settling chambers (C1 TO C2) to be secured to said chimney, first openings (B1 B2) provided in said chimney and in flow communication with the inlet of said settling chambers means being provided within each of said chambers so as to cause a tortuous flow of the gases and causing sharp directional change of movement therein, second openings comprising flue gas outlets being provided in said

chimney for each of said chambers above said first openings.

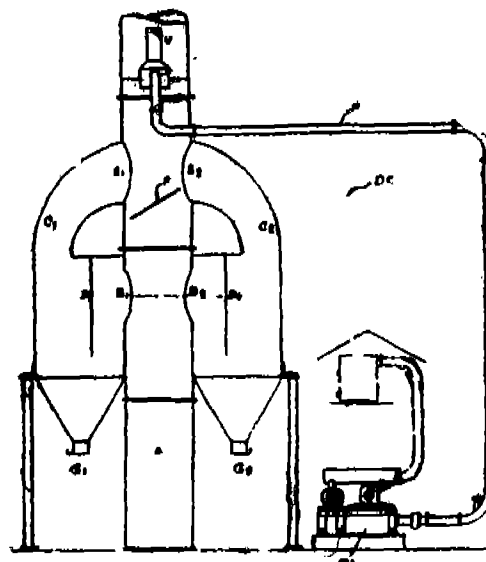


Fig 1

(Provisional specification 4 pages; Drgs. Nil)

(Comp Specn. 9 pages; Drgs. 1 sheet)

Ind. Cl. : 32 E [IX(1)]

174475

Int. Cl. : C 08 L-5/00.

GEL-IN-MATRIX FOR USE INTER ALIA IN ELECTROPHORETIC AND CHROMATOGRAPHIC PROCEDURES.

Applicant : FMC CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

Inventors : (1) RICHARD BURBANK PROVONCHEE.  
(2) FRANCIS HUBBARD KIRKPATRICK.

Application No. 818/DEL/88 filed on 27-9-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Delhi-5.

#### Claims 25

A gel-in-matrix for use inter alia, in electrophoretic and chromatographic procedures comprising a three-dimensional porous support matrix and a porous fractured hydrogel fixedly disposed in said matrix, said fractured hydrogel having (a) a void volume of 10—90%; and (b) a plurality of porous fractures comprising channels having a mean characteristic dimension of 0.1-1,000  $\mu\text{m}$ , and said matrix being chemically inert with respect to the hydrogel and having pores with a mean characteristic dimension of less than 2 $\mu\text{m}$ .

(Comp. Specn 28 pages;

Drg. Nil)

Int. Cl. : C 08 F-14/06, 114/06.

Ind. Cl. : 152 F XII(2)

174476

PROCESS FOR THE PREPARATION OF AN EXPANDABLE VINYL PLASTISOL.

Applicant : SOLVAY & CIE., A BELGIAN COMPANY, OF 33, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

Inventor : JEAN-LUC PREAT.

Application for Patent No. 817/DEL/88 filed on 26th Sep., 88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

#### Claims 9

Process for the preparation of an expandable vinyl plastisol capable of yielding cellular products, said process comprising adding into a plastisol of the kind described herein from 1 to 20 parts by weight per 100 parts by weight of the plastisol of a nitrogen-based blowing agent as herein described which is decomposable when heated and from 0.05 to 2 parts by weight per 100 parts by weight of the plastisol of a zinc salt as herein described as accelerator for lowering the decomposition temperature of the blowing agent in the form of a solution in a liquid carrier as herein described.

(Comp. Specn. 9 pages;

Drsg. Nil.)

Ind. Cl. : 32 E

174477

Int. Cl.<sup>4</sup> : C08F 110/06.

"PROCESS FOR PRODUCING AN ULTRA HIGH MELT FLOW RATE PROPYLENE POLYMER".

Applicant : SHELL OIL COMPANY A CORPORATION ORGANISED & EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE USA OF 900 LOUISIANA HOUSTON, TEXAS 77001, UNITED STATES OF AMERICA.

Inventors : (1) DALE ANDREW WALKER.  
(2) WILLIAM GEORGE SHEARD.

Application No. 1027/DEL/88 filed on 25-11-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Delhi-5.

#### Claims 7

A process for producing an ultra high melt flow rate propylene polymer in the absence of any post-reactor treatment, which process comprises contacting propylene and hydrogen in a hydrogen : propylene mole ratio of 0.03:1 to 0.75:1, in the gas phase in the presence of a high activity catalyst of the kind as herein described in a fluid bed gas phase reaction system, to yield a propylene polymer having a molecular weight distribution ratio which is not inversely proportional to the melt flow rate.

(Comp. Specn. 20 pages;

Drsgs. Nil)

Ind. Cl. : 206 G: (LXII)

174478

Int. Cl.<sup>4</sup> : H 04 L 9/00.

"A CODEBOOK VECTOR GENERATING DEVICE FOR GENERATING CODEBOOK VECTOR FOR A VECTOR FOR QUANTIZER".

Applicant : MOTOROLA INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATE OF AMERICA. OF 1303 EAST ALGONQUIN ROAD SCHAMMURG, ILLINOIS 60196. UNITED STATES OF AMERICA.

Inventor : GERSON IRA ALAN.

Application No. 1057/DEL/88 filed on 1st December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Delhi-5.

#### Claims 5

1. A codebook vector generating device for generating a set of  $2^M$  codebook vectors for a vector quantizer, said codebook vector generating device (120) comprising :

means for converting a set of selected codewords into a plurality of interim data signals  $P(n)$ ;

means for inputting (100.102) a set of  $M$  basis vectors :

one or more multipliers (361) for multiplying said set of basis vectors by said plurality of interim data signals  $P(n)$  to produce a plurality of interim vectors, said one or more multipliers being connected on one hand, to said converting means and on the other hand, to said inputting means, and

means for summing (134) said plurality of interim vectors to produce said set of codebook vectors, said summing means being connected to said one or more multipliers.

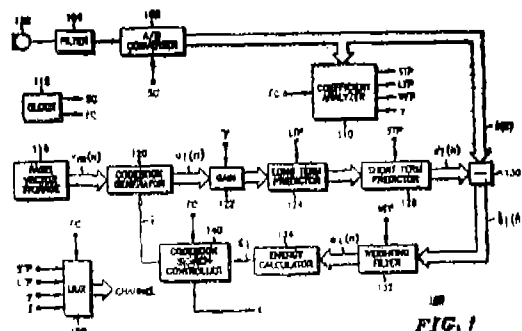


FIG. 1

(Comp. Specn. 35 pages;

Drsgs. 11 sheets)

Ind. Cl. : 40F

174479

Int. Cl.<sup>4</sup> : C11B, 9/02.

A PROCESS FOR SEPARATING BY SOLVENT EXTRACTION A PRODUCT (SOLUTE) SUCH AS ESSENTIAL OILS CONTAINED IN A PLANT MATERIAL AND AN APPARATUS FOR CARRYING OUT THE PROCESS.

Applicant(s) : BIOLANDES TECHNOLOGIES. A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF LE SEN, F-40420 LABRIT, FRANCE.

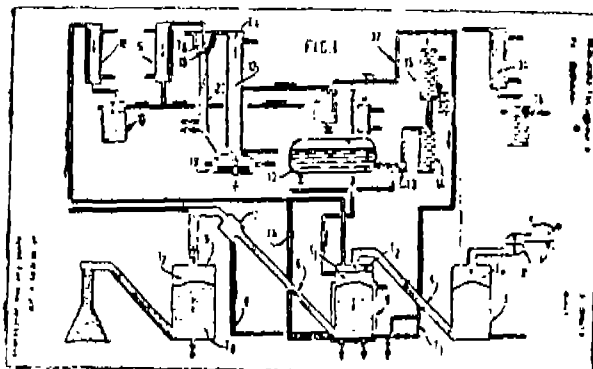
Inventor : DOMINIQUE COUTIERE.

Application for the Patent No. 32/DEL/89 filed on 16th Jan., 1989,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### Claims 11

A process for separating by solvent extraction a product (solute) such as essential oils from a plant material said product being soluble in said solvent and less volatile than said solvent when the plant material is put into contact with the solvent and the product is separated from the solvent solute mixture and thereby obtaining the product characterised in that said solvent/solute mixture is subjected to vaporization by heating the mixture to a predetermined temperature and thereby obtaining a solvent rich vapor phase and subsetting the solvent rich vapor phase containing a residual amount of less volatile solute in the form of droplets to centrifugation at a temperature which is sufficient to liquify a small part of the solvent for separating a purified solvent vapor phase and a solute liquid phase.



(Comp. Specn. 12 pages;

Drsgs. 3 sheets)

Ind. Cl. : 1A

174480

Int. Cl. : C09J, 3/16.

**"A PROCESS FOR THE PREPARATION OF AN ADHESIVE STICK".**

Applicant : SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19, UNIVERSITY ROAD, DELHI-110 007, INDIA.

Inventors : VED PARKASH MALHOTRA AND JAGJIVAN MITTAL BOTH ARE INDIAN NATIONALS.

Application for Patent No. 87/DEL/89 filed on 31-1-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Delhi-5.

## Claims 6

A process for the preparation of adhesive stick comprising a preparing a mixture of 0.5 to 6 parts by weight of solution of a condensation product of sorbito and benzoldehydrate with 1 to 6 parts by weight of copolymer of maleic anhydride and vinyl acetate and 0.5 to 4 parts by weight of plasticizer in the manner as herein described, subjecting said mixture to the step of homogenization, clarifying the mixture upon completion of homogenization and then heating the clarified mixture at a temperature of 20 to 50°C, and pouring it into a mould for forming the stick.

(Comp. Specn. 10 pages)

## RENEWAL FEES PAID

155939	155975	156073	156222	156540	156777	156794
157842	157847	157970	158117	158136	158137	158490
158653	158839	159011	159167	159270	159305	159306
159337	159347	159379	159472	159479	159588	159619
159729	159730	159861	159908	160040	160147	160216
160526	160566	160739	160846	160977	161136	161209
161294	161296	161522	161615	161783	161804	162250
163058	163450	163827	163831	164003	164202	164802
165297	165300	165341	165802	166001	166105	166162
166189	166285	166458	166724	166730	166760	166772
166778	166858	167031	167033	167034	167767	167833
167855	167911	168064	168102	168133	168195	168378
168800	169126	169264	169853	169856	169857	169947
170008	170228	170466	170626	170628	170755	170762
171012	171044	171193	171195	171346	171351	171353
171354	171414	171415	171621	171623	171627	171633
171635	171642	171643	171646	171649	171781	171984
171986	172030	172047	172048	172102	172280	172281
172310						

## PATENT SEALED ON 17-11-94

173212 173217 173220\*D 173247 173248 173253 173259\*D  
 173271 173272 173273 173274 173275 173277 173279  
 173281 173282 173283 173284 173285 173286 173287  
 173290 173291 173293 173295 173296 173297 173298\*D  
 173299\*D 173301 173302 173303 173304 173305 173306  
 173307.

Cal-36, Bom-Nil, Del-Nil &amp; Mas-Nil.

\*Patent shall be deemed to be endorsed with the words  
 LICENCE OF RIGHT under section 87 of the Patents Act,  
 1970 from the date of expiration of three years from the  
 date of sealing.

D—DRUG Patent, F—FOOD Patent.

## CESSATION OF PATENTS

169830	160594	160622	160625	160646	160661	160669
160690	160721	160727	160745	160768	160779	160788
160793	160794	160848	160853	160905	160906	160918
160969	160988	160994	160995	161005	161010	161029
161075	161183					

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 168859 dated the 11th December 1986 made by Allied Corporation on the 7th December, 1993 and notified in the Gazette of India Part III, Section 2 dated the 5th March, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 169307 dated the 26th March, 1987 made by Hoechst Aktiengesellschaft on the 8th Feb., 1994 and notified in the Gazette of India Part III, Section 2 dated the 7th May, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 169315 dated the 3rd March 1987 made by Rank Taylor Hobson Limited on the 8th February, 1994 and notified in the Gazette of India Part III, Section 2 dated the 7th May, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 169361 dated the 3rd March, 1987 made by Rank Taylor Hobson Ltd. on the 8th February, 1994 and notified in the Gazette of India Part III, Section 2 dated the 7th May, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 169604 dated the 5th May 1987 made by Hoechst Aktiengesellschaft on the 23rd Feb., 1994 and notified in the Gazette of India Part III, Section 2 dated the 7th May, 1994 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration included in the entries.

Class 11. No. 166200, Ravissant, a division of Vishal (P) Limited, an Indian Company, 24, Nehru Place, New Delhi-110 019, India, "GARMENT SPLIT SKIRT", 17th September 1993.

Class 11. No. 166197 to 166199, Ravissant, a division of Vishal (P) Limited, an Indian Company, 24, Nehru Place, New Delhi-110019, India, "LADIES DRESS", 17th September 1993.

Class 11. No. 166212, Ravissant, a division of Vishal (P) Limited, an Indian Company, 24, Nehru Place, New Delhi 110019, India, "JACKET", 17th September 1993.

Class 11. No. 166201 Ravissant, a division of Vishal (P) Limited, an Indian Company, 24, Nehru Place, New Delhi-110019, India, "KURTA", 17th September 1993.

Class 11. No. 166193, 166195 & 166203, Ravissant, a division of Vishal (P) Ltd., an Indian Company, 24, Nehru Place, New Delhi-110019, India, "GARMENT", 17th September 1993.

Class 11. No. 166191, 166192, 166194, 166196, 166202, 166205 to 166211, Ravissant, a division of Vishal (P) Ltd., an Indian Company, 24, Nehru Place, New Delhi-110019, India, "GARMENT KURTA", 17th September 1993.

R. A. ACHARVA  
 Controller General of Patent Design &  
 Trade Marks

प्रकाशक : भारत सरकार प्रकाशन विभाग, फरिदाबाद द्वारा प्रकाशित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1994

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